

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error or Definition	Errors
			((drug same anchoring) same conjugate) same ((sodium adj channel) or (calcium adj channel) or (beta-adrenergic adj receptor) or (potassium adj channel) or (membrane adj transporter) or (membrane adj receptor)) same ((sulfhydryl adj reactive) or methanethiosulfonyl or dithiopyridyl or disulfide))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/27 14:53			0
10	BRS	L10	0					
			((local adj anesthetic) or benzocaine or lidocaine or dibucaine or chlorpromazine	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/27 14:54			0
11	BRS	L11	16084					
			((local adj anesthetic) or benzocaine or lidocaine or dibucaine or chlorpromazine) same (sodium adj channel)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/27 14:56			0
12	BRS	L12	179					
			(target adj site) same 12	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/27 14:59			0
13	BRS	L13	0					

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comm ents	Err or Def inition	Er rors
8	BRS	L8	68225	(sulfhydryl adj reactive) or methanethiosulfonyl or dithiopyridyl or disulfide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/27 14:52		0	
9	BRS	L9	118	((sodium adj channel) or (calcium adj channel) or (beta-adrenergic adj receptor) or (potassium adj channel) or (membrane adj transporter) or (membrane adj receptor)) same ((sulfhydryl adj reactive) or methanethiosulfonyl or dithiopyridyl or disulfide)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/27 14:53		0	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error or Definition	Errors
14	BRS	L14	325	drug same deliver\$ same (specific adj site)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/27 15:00		0	
15	BRS	L15	0	4 same 14	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/27 15:00		0	
16	BRS	L18	1	backx adj peter.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/27 15:03		0	
17	BRS	L16	5	dime adj david.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/27 15:04		0	
18	BRS	L19	1	kimmeldirk adj klaus.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/27 15:04		0	

Type	L #	Hits	Search Text	Dbs	Tim Stamp	Comm ents	Err or Def inition	Er rors
1 BRS	L1	219051	drug	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/2 7 14:49		0	
2 BRS	L2	68	anchoring adj moiety	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/2 7 14:49		0	
3 BRS	L3	2	drug same (anchoring adj moiety)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/2 7 14:50		0	
4 BRS	L4	86163	anchoring	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/2 7 14:50		0	
5 BRS	L5	263	drug same anchoring	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/2 7 14:51		0	
6 BRS	L6	23	(drug same anchoring) same conjugate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/2 7 14:51		0	
7 BRS	L7	12694	(sodium adj channel) or (calcium adj channel) or (beta-adrenergic adj receptor) or (potassium adj channel) or (membrane adj transporter) or (membrane adj receptor)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/02/2 7 14:52		0	

FILE 'HOME' ENTERED AT 15:26:03 ON 27 FEB 2003

=> file medline biosis caplus embase scisearch agricola

COST IN U.S. DOLLARS	ENTRY	SINCE FILE SESSION	TOTAL
FULL ESTIMATED COST		0.21	0.21

FILE 'MEDLINE' ENTERED AT 15:26:34 ON 27 FEB 2003

FILE 'BIOSIS' ENTERED AT 15:26:34 ON 27 FEB 2003

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FILE 'CAPLUS' ENTERED AT 15:26:34 ON 27 FEB 2003

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FILE 'SCISEARCH' ENTERED AT 15:26:34 ON 27 FEB 2003

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FILE 'AGRICOLA' ENTERED AT 15:26:34 ON 27 FEB 2003

=> s drug

4 FILES SEARCHED...

L1 8432714 DRUG

=> s anchoring

L2 28690 ANCHORING

=> s l1 (p) l2 (p) (conjugat? or link?)

L3 83 L1 (P) L2 (P) (CONJUGAT? OR LINK?)

=> s target? site

L4 23003 TARGET? SITE

=> s l3 (p) l4

L5 0 L3 (P) L4

=> s l1 (p) deliver? (p) l4

L6 574 L1 (P) DELIVER? (P) L4

=> s l6 (p) l2

L7 3 L6 (P) L2

=> duplicate remove l7

DUPLICATE PREFERENCE IS 'CAPLUS, EMBASE, SCISEARCH'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L7

L8 1 DUPLICATE REMOVE L7 (2 DUPLICATES REMOVED)

=> d l8 1 ibib abs

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 1

ACCESSION NUMBER: 2002:945757 CAPLUS

TITLE: AnIn-vitro Evaluation of Lectin Cytotoxicity using
Cell Lines Derived from the Ocular Surface

AUTHOR(S): Banchonglikitkul, C.; Smart, J. D.; Gibbs, R. V.;
Donovan, S. J.; Cook, D. J.

SOURCE: Journal of Drug Targeting (2002), 10(8), 601-606
CODEN: JDTAEH; ISSN: 1061-186X

PUBLISHER: Taylor & Francis Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Lectins are proteins or glycoproteins of non-immune origin capable of binding to one or more specific sugar residues. The potential for using lectins as a means of locating and ***anchoring*** a ***drug*** ***delivery*** system to a ***target*** ***site*** on a mucosal surface in order to promote controlled ***drug*** ***delivery*** and enhanced absorption has been described in previous work. Toxicity is evident for many lectins, and this study has investigated the cytotoxicity of lectins to cells derived from the cornea and conjunctiva. Cultures of transformed cell lines from the conjunctiva and cornea were exposed to soln. of lectins, and the viability of these cells assessed by their ability to take up an MTT stain relative to the control. Clear evidence of lectin cytotoxicity was apparent for all of the lectins tested in this study, particularly at higher concns. and over the longer (48 h) time period. This would raise issues with their potential use in targeted ***drug*** ***delivery*** systems. The lectins from Lycopersicon esculentum and Helix pomatia appeared to show the least cytotoxic activity and so could be considered the most promising. The lectins from Solanum tuberosum and Triticum vulgaris showed significant cytotoxicity, which contrasts with previous in-vivo studies. However, they might be considered for investigation as targeted therapeutic agents in the treatment of malignant diseases.

=> d his

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FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, SCISEARCH, AGRICOLA'
ENTERED AT

15:26:34 ON 27 FEB 2003

L1 8432714 S DRUG
L2 28690 S ANCHORING
L3 83 S L1 (P) L2 (P) (CONJUGAT? OR LINK?)
L4 23003 S TARGET? SITE
L5 0 S L3 (P) L4
L6 574 S L1 (P) DELIVER? (P) L4
L7 3 S L6 (P) L2
L8 1 DUPLICATE REMOVE L7 (2 DUPLICATES REMOVED)

=> s sodium channel

L9 50886 SODIUM CHANNEL

=> s sulphydryl or methanethiosulfonyl or dithiopyridyl or disulfide

L10 268257 SULPHYDRYL OR METHANETHIOSULFONYL OR
DITHIOPYRIDYL OR DISULFIDE

=> s (local anesthetic) or benzocaine or lidocaine or dibucaine or chlopromazine

L11 91023 (LOCAL ANESTHETIC) OR BENZOCAINE OR LIDOCAINE OR
DIBUCAINE OR
CHLOPROMAZINE

=> s l9 (p) l10 (p) l11

L12 1 L9 (P) L10 (P) L11

=> d l12 1 ibib abs

L12 ANSWER 1 OF 1 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS
INC.

ACCESSION NUMBER: 1999:185833 BIOSIS

DOCUMENT NUMBER: PREV199900185833

TITLE: Local anesthetic targeting to cardiac Na⁺ channels.

AUTHOR(S): Tsushima, Robert G. (1); Li, Ronald A. (1); Wang, Xiaodong
(1); Backx, Peter H. (1)

CORPORATE SOURCE: (1) University of Toronto, Toronto, ON Canada

SOURCE: Biophysical Journal, (Jan., 1999) Vol. 76, No. 1 PART 2,
pp. A80.

Meeting Info.: Forty-third Annual Meeting of the
Biophysical Society Baltimore, Maryland, USA February

13-17, 1999
ISSN: 0006-3495.
DOCUMENT TYPE: Conference
LANGUAGE: English

=> d his

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FILE 'MEDLINE, BIOSIS, CAPLUS, EMBASE, SCISEARCH, AGRICOLA'
ENTERED AT
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L1 8432714 S DRUG
L2 28690 S ANCHORING
L3 83 S L1 (P) L2 (P) (CONJUGAT? OR LINK?)
L4 23003 S TARGET? SITE
L5 0 S L3 (P) L4
L6 574 S L1 (P) DELIVER? (P) L4
L7 3 S L6 (P) L2
L8 1 DUPLICATE REMOVE L7 (2 DUPLICATES REMOVED)
L9 50886 S SODIUM CHANNEL
L10 268257 S SULFHYDRYL OR METHANETHIOSULFONYL OR
DITHIOPYRIDYL OR DISULFI
L11 91023 S (LOCAL ANETHETIC) OR BENZOCAINE OR LIDOCAINE OR
DIBUCAINE OR
L12 1 S L9 (P) L10 (P) L11

=> log y

COST IN U.S. DOLLARS	ENTRY	SINCE FILE SESSION	TOTAL
FULL ESTIMATED COST		53.97	54.18

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE
TOTAL

	ENTRY	SESSION
CA SUBSCRIBER PRICE		-0.65 -0.65

STN INTERNATIONAL LOGOFF AT 15:38:15 ON 27 FEB 2003